

Net Shape Rapid Manufacturing Using Nano Encapsulated Powders, Phase II

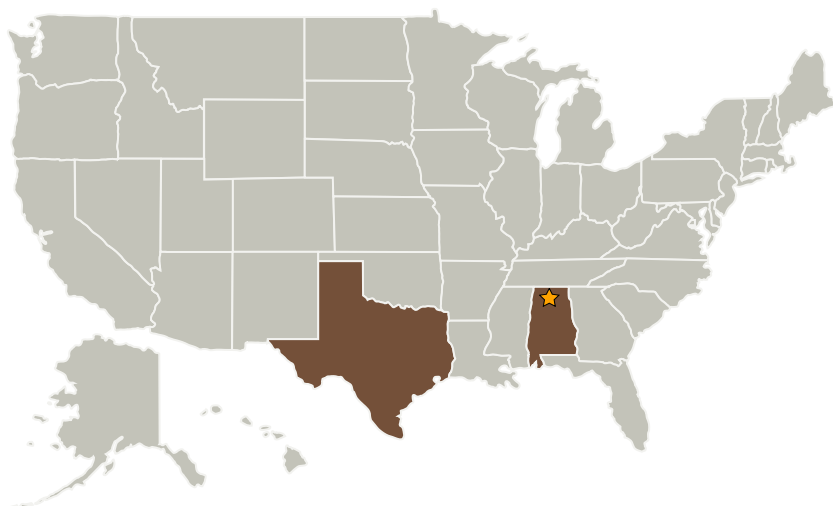
Completed Technology Project (2006 - 2008)



Project Introduction

This Phase II program is developing NET Shape components from Encapsulated Powders. Significant advances in Phase I for various materials and in net shape processing techniques have been realized. The objective of Phase II is to continue fabrication of these unique materials and compare multiple net shape processes and systems for various applications, APS and UC Davis have assembled world renowned team of experts and commercial partners to aid phase II development of NET Shape components and final Phase III commercialization.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Marshall Space Flight Center (MSFC)	Lead Organization	NASA Center	Huntsville, Alabama
Advanced Powder Solutions	Supporting Organization	Industry	Cypress, Texas

Primary U.S. Work Locations

Alabama	Texas
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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Marshall Space Flight Center (MSFC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

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Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Technology Areas

Primary:

- TX12 Materials, Structures, Mechanical Systems, and Manufacturing
 - └ TX12.1 Materials
 - └ TX12.1.8 Smart Materials